

# Yinan Wang (王 禕楠)

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## EXPERIENCE & PROJECTS

- Aug. 2019-present **Product Manager, K.K. Infervision.Japan**  
Led cloud integration of products used for teleradiology centres  
In charge of communication with clients from Japan and oversea(India, NZ etc.) through the entire process  
Presenter of The 39<sup>th</sup> Japanese Society of Medical Imaging Technology Annual Meeting  
Individualized testing for clients with their DICOM data samples
- Nov. 2017-Aug. 2019 **Master's Research Project, Igarashi Lab**  
**Publication: Computational Design and Fabrication of 3D Wire Bending Art, SIGGRAPH Asia 2019 Posters**  
Introduced a computer-assisted framework for manually creating 3D wire bending art from given 3D models, including:  
Extracted 3D contour-curves as wire sculpture design from various viewpoints of input model;  
Generated 3D support based on the contour-curves of given model;  
Manually fabricated 3D wire sculpture using the 3D printed support.
- Apr.2018-July 2018 **Master's Course Project, Physics-Based Animation**  
Implemented simulation methods used in computer graphics, for physical entities including springs, rigid bodies, fluids, fracture, elastic bodies, and waves
- Sept.2017-Jan. 2018 **Master's Course Project, Real-Time Facial Expression Transfer**  
Detected facial landmarks using OpenCV;  
Transformed the target image pixel based on calculated affine function from video stream
- June 2016-Aug.2016 **Engineering Internship, Chipways Technology Co., Ltd.**  
Structured the firmware library for a new microcontroller based on CMSIS;  
Divided the modules on the devices, encapsulated and configured the registers;  
Tested the firmware package in library; Programmed a set of examples for each peripheral

## EDUCATION

- Sept.2017-Aug.2019 **MSc, Creative Informatics**  
Relevant courses: Computer Graphics, Physics-Based Animation, Human-Computer Interaction  
Graduate School of Information Science and Technology, The University of Tokyo
- Sept.2016-Aug.2017 Research in spin wave propagation, Beihang Spintronics Interdisciplinary Center  
Master courses in Sino-French Engineer School (Ecole Centrale de Pekin), Beihang University
- Aug.2015-Jan.2016 Exchange, The French Civil Aviation University
- Sept.2012-July 2016 **Bachelor of Information and Computing Sciences**  
General Engineering courses with three-year intensive courses of mathematics and physics  
Sino-French Engineer School, Beihang University

## SKILLS

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|-------------|---|
| Languages   | Mandarin Chinese (native), English (fluent), Japanese (conversational), French (B2) |
| Programming | Python, Java, C, C++, C#, JavaScript  |
| Open source | libigl, OpenGL, OpenCV, WebGL, openFrameworks                                       |
| Softwares   | Unity, Blender, Matlab, L-Edit, OpenVSP, Wireless Insite, Network Simulator 3       |

## HOBBIES

Contact Improvisation, Chinese Medicine, Bouldering